

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR19		N/C
N/C	INITIAL RELEASE	04-20-16	APPROVED
A	INCORPORATED ECN 06926	01-31-22	J.GARDINE

NOTES:

- 1

MATERIAL: 303 STAINLESS STEEL IAW AMS-5640 OR ASTM A582.
- 2

MATERIAL: DELRIN; COLOR: BLACK
- 3

DEBURR AND BREAK ALL SHARP EDGES
- 4

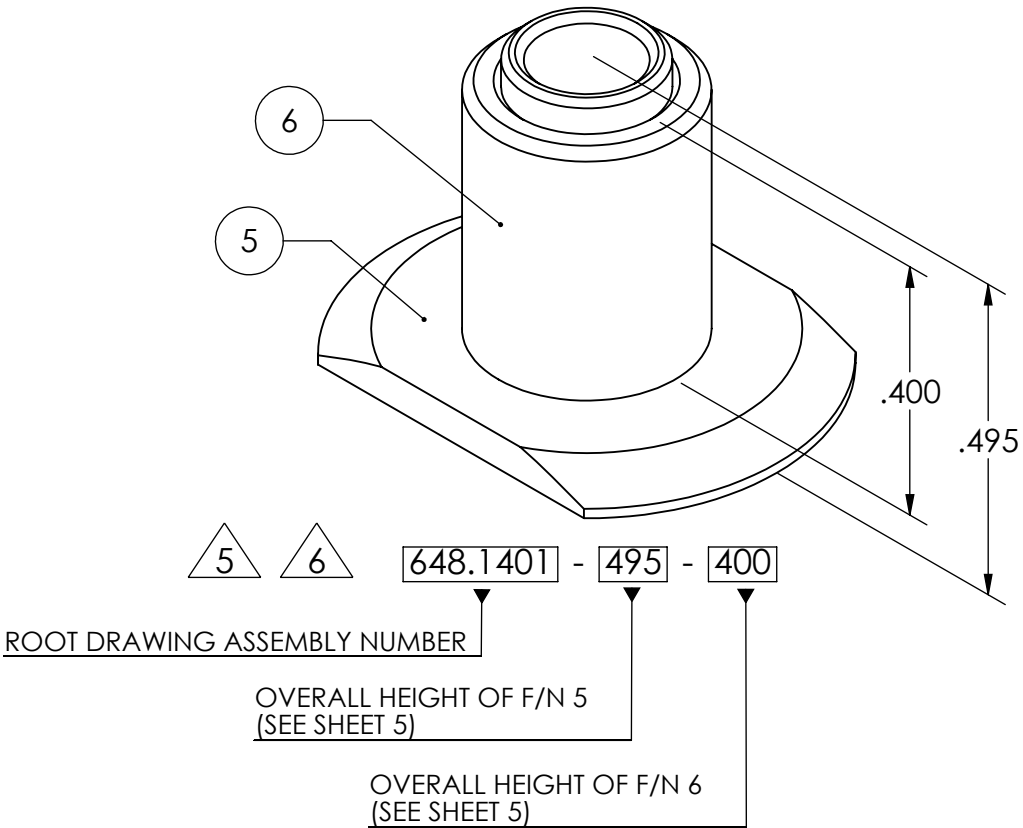
IDENTIFY IAW MPP-120
- 5

REFER TO INSPECTION DIMENSIONS AT PART LEVEL
- 6

PRESS FIT MATING PARTS
- 7

MATERIAL: SS 15-5 PH; CONDITION: H900
- 8

FINISH: PASSIVATE IAW MIL-QQ-P-35C, TYPE II



NOTE

CONSIDER THE FOLLOWING FOR SELECTION OF 648.1401 CONFIGURATIONS:

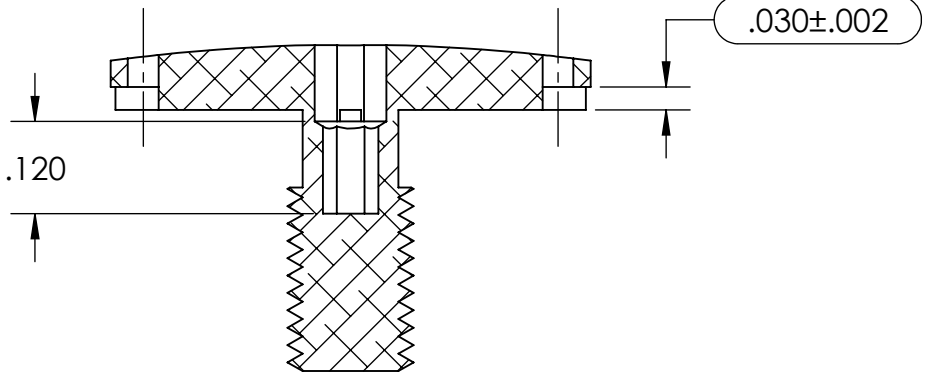
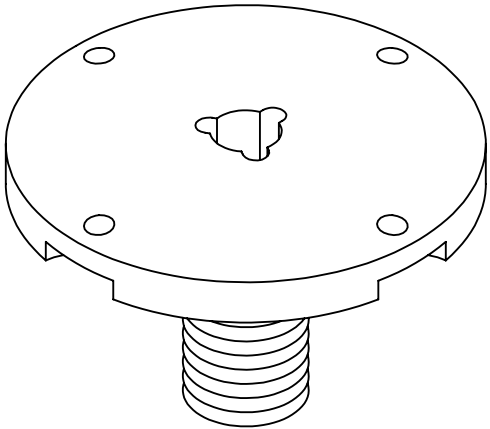
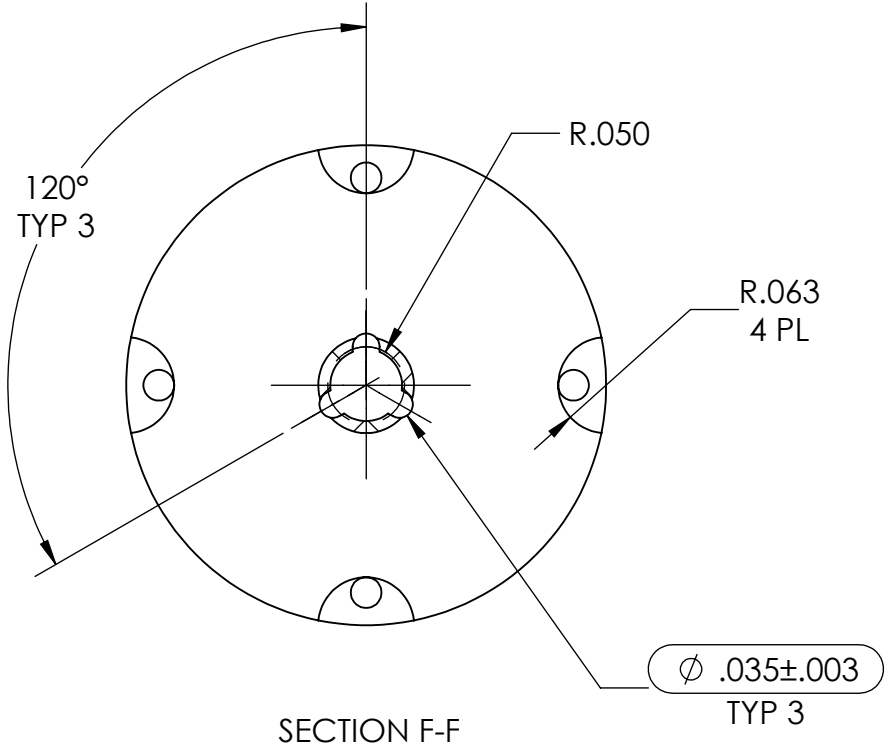
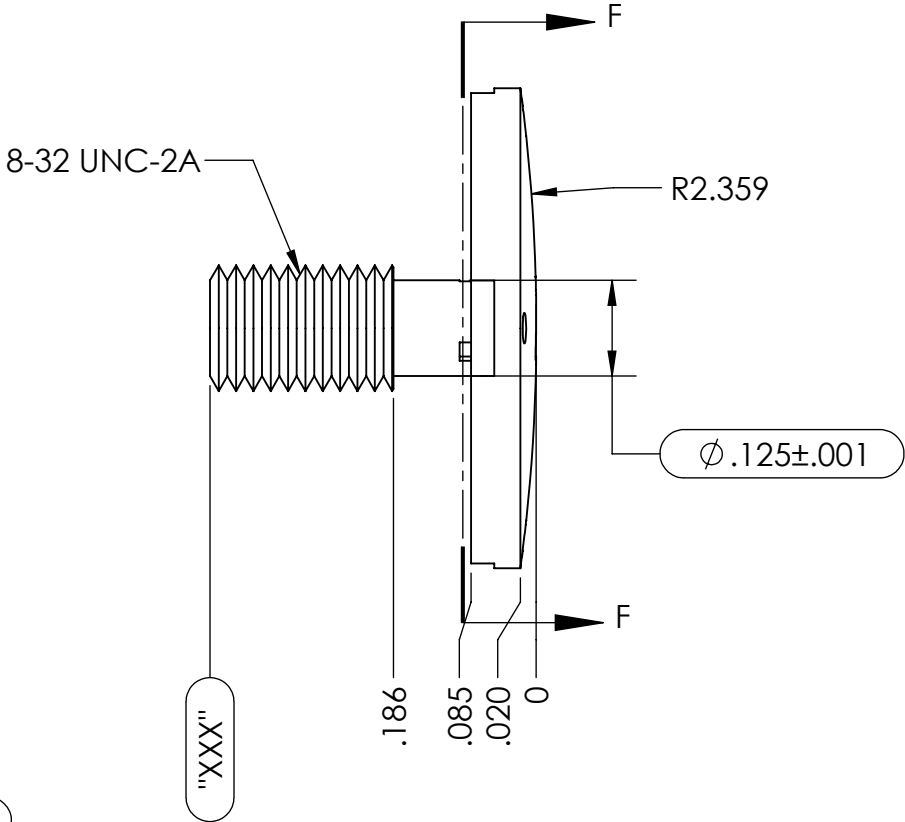
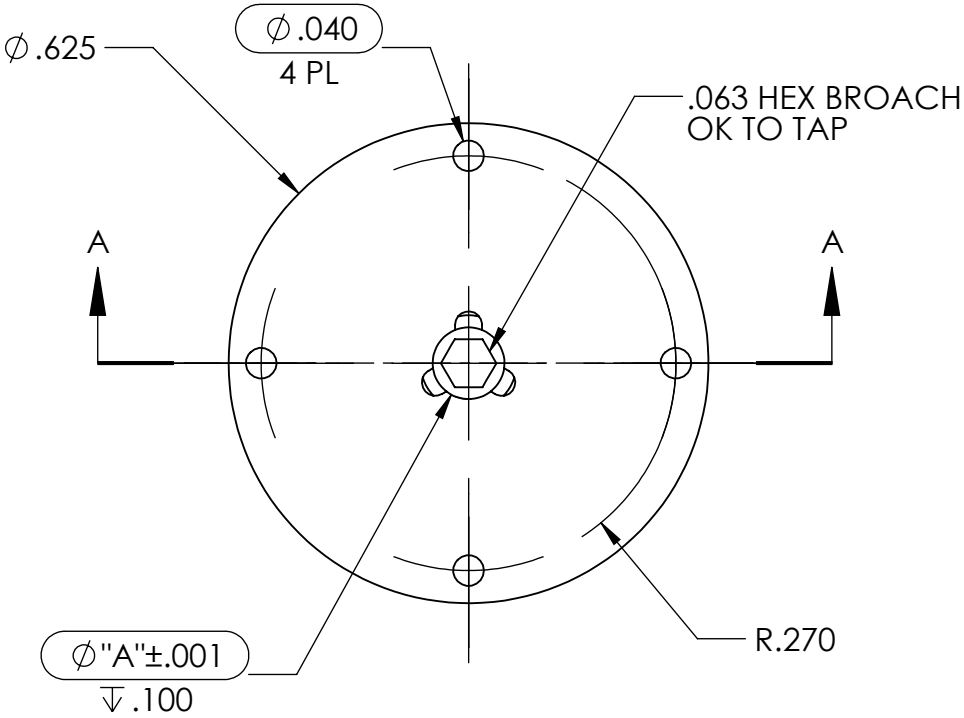
IF INTENDED FOR USE WITH F/N 7 NYLON WASHER, F/N 6 NYLON SLEEVE MUST BE **.095IN** SHORTER THAN F/N 5 FRANGIBLE SCREW INSERT.

IF NOT INTENDED FOR USE WITH F/N 7 NYLON WASHER, F/N 6 NYLON SLEEVE MUST BE **.055IN** SHORTER THAN F/N 5 FRANGIBLE SCREW INSERT.

		18	648.1427	FRANGIBLE SCREW	<div>1</div>	<div>8</div>
		17	648.1426	FRANGIBLE SCREW INSERT	<div>1</div>	<div>8</div>
		16	648.1425	DOME FRANGIBLE (.080)	<div>1</div>	<div>8</div>
		15	648.1424	DOME FRANGIBLE (.055)	<div>1</div>	<div>8</div>
		14	648.1423	STRUCTURAL FRANGIBLE INSERT	<div>7</div>	<div>8</div>
		13	648.1422	FRANGIBLE SCREW v3	<div>1</div>	<div>8</div>
		12	648.1421	FRANGIBLE SCREW v2.4 (.0995)	<div>1</div>	<div>8</div>
		11	648.1420	FRANGIBLE SCREW v2.3 (.0935)	<div>1</div>	<div>8</div>
		10	648.1419	FRANGIBLE SCREW v2.2 (.0810)	<div>1</div>	<div>8</div>
		9	648.1418	FRANGIBLE SCREW v2.1 (.0730)	<div>1</div>	<div>8</div>
		8	648.1417	ANCHOR	<div>1</div>	<div>8</div>
		7	648.1416	NYLON WASHER	<div>2</div>	
	1	6	648.1415	NYLON SLEEVE	<div>2</div>	
	1	5	648.1414	FRANGIBLE SCREW INSERT	<div>1</div>	<div>8</div>
		4	648.1413	FRANGIBLE SCREW v1.4 (.0995)	<div>1</div>	<div>8</div>
		3	648.1412	FRANGIBLE SCREW v1.3 (.0935)	<div>1</div>	<div>8</div>
		2	648.1411	FRANGIBLE SCREW v1.2 (.0810)	<div>1</div>	<div>8</div>
		1	648.1410	FRANGIBLE SCREW v1.1 (.0730)	<div>1</div>	<div>8</div>
	X		648.1401	INSERT ASSY		
	.1401	FIND NO.	PART NO.	DESCRIPTION	MAT'L	SPEC
QTY		PARTS LIST				
NEXT ASSY (\$)		ORIGINAL DATE (MO-DA-YR) 07-27-10		<div><div><div>DART</div><div>AEROSPACE</div><div>APICAL INDUSTRIES, INC. dba DART AEROSPACE</div></div><div>3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300</div></div> <div>FRANGIBLE SCREW</div>		
650.5200		DRAWN BY N.CAP	CHECKER P. BRAVO			
650.5100		DRAWING APPROVAL P. BRAVO 04-20-16				
		CONTRACT No.				
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.010 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 648.1400
				REV. A		
				SCALE NONE	SHEET 1 OF 11	

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DIAMETER "A" (INCHES)	PART NUMBER	LENGTH "XXX" (INCHES)
.0730	648.1410-425	.425
	648.1410-320	.320
.0810	648.1411-425	.425
	648.1411-320	.320
.0935	648.1412-425	.425
	648.1412-320	.320
.0995	648.1413-425	.425
	648.1413-320	.320

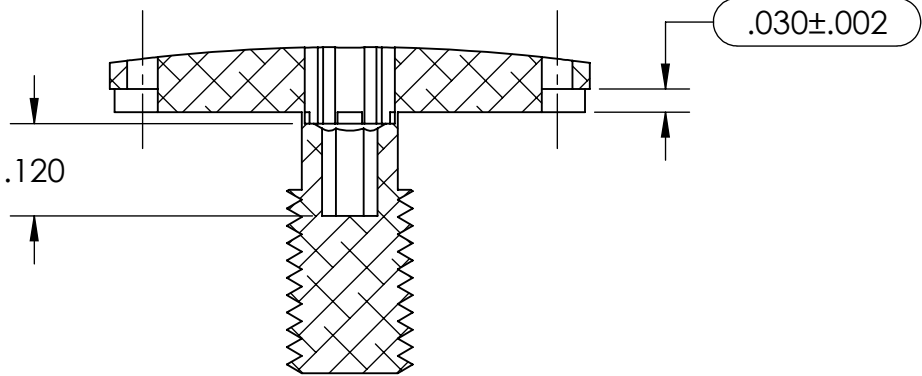
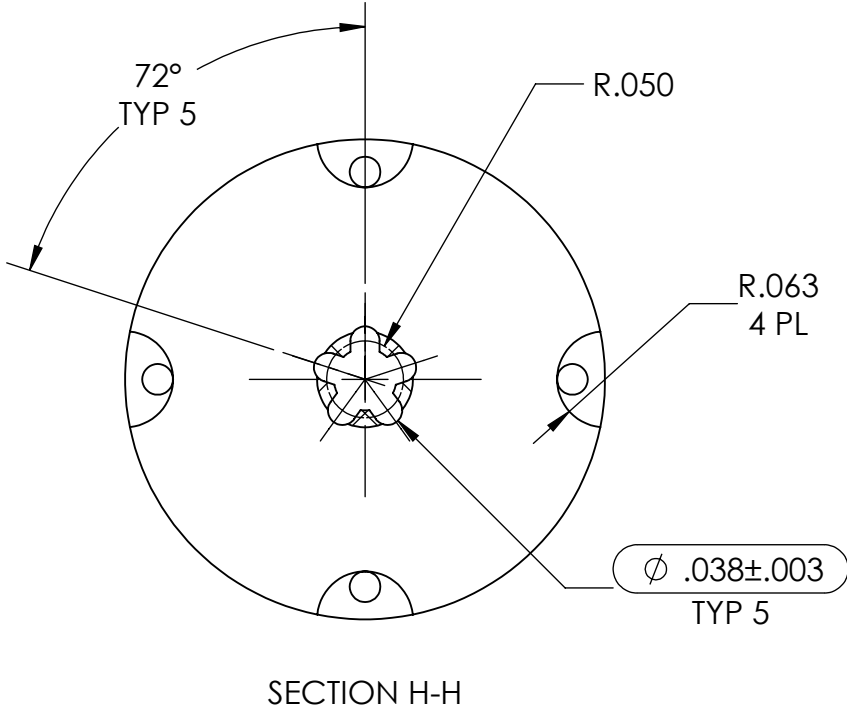
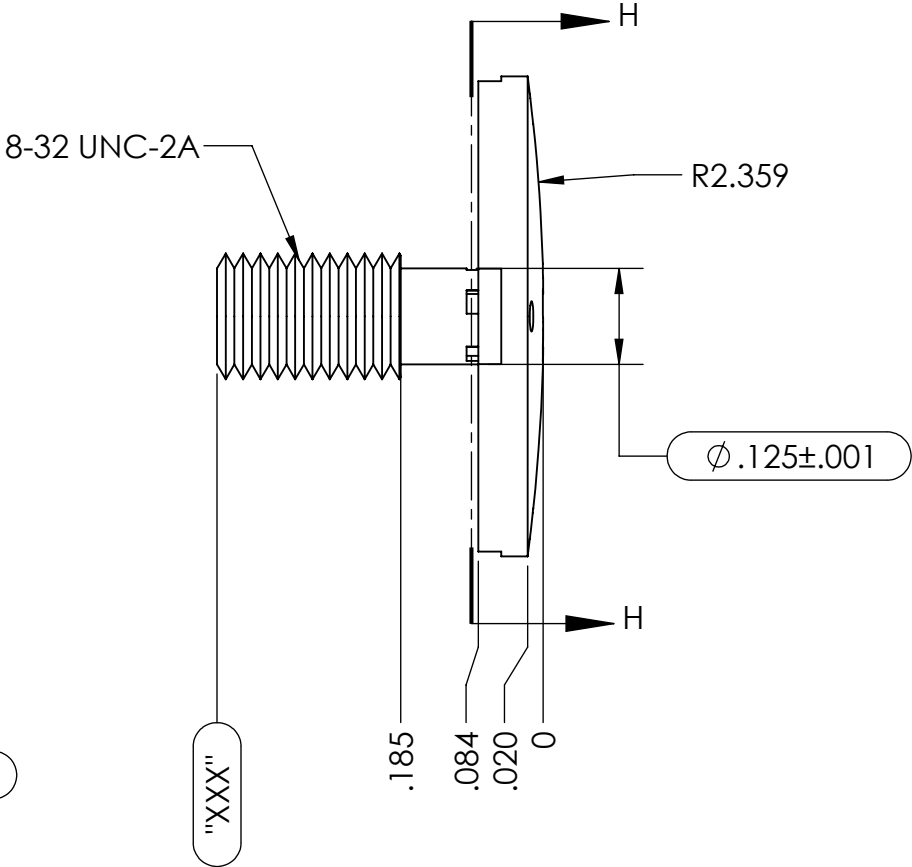
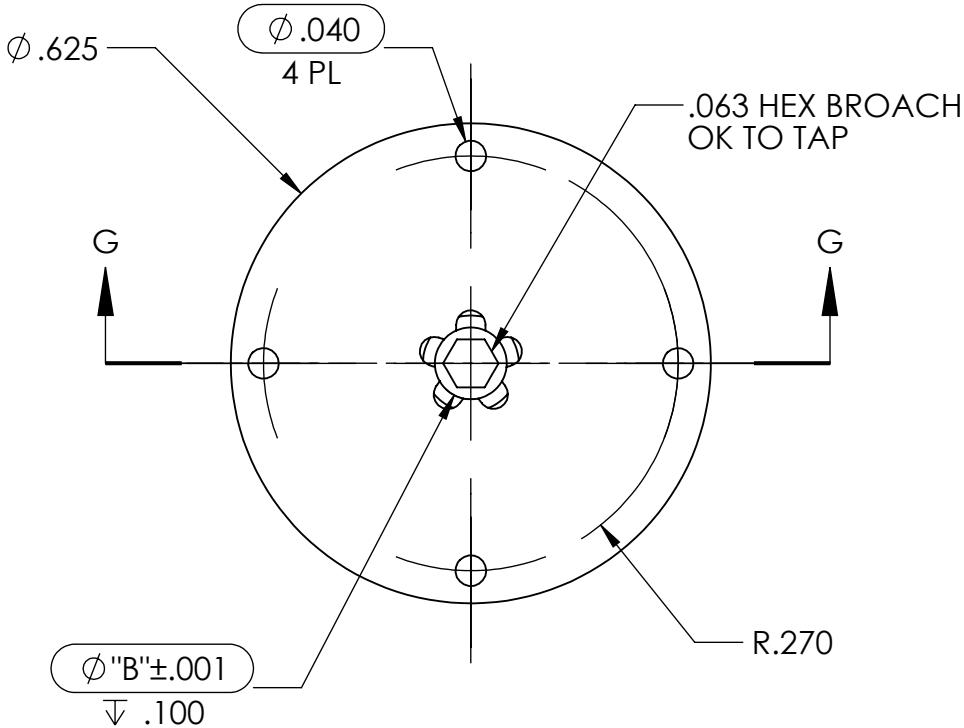
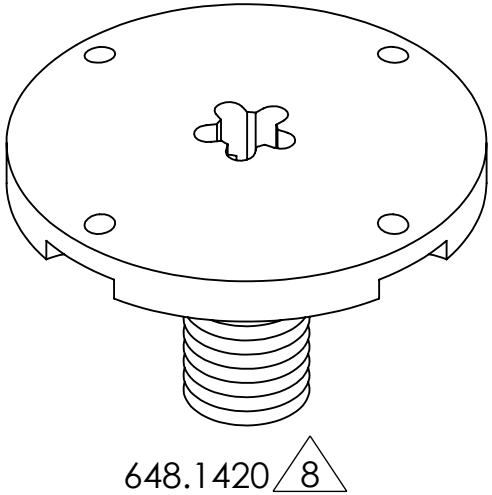


SECTION A-A

ORIGINAL DATE (MO-DA-YR) 07-27-10		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY N.CAP	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 04-20-16		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		FRANGIBLE SCREW	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		SIZE B	CAGE CODE 07MZ6
		DWG. NO. 648.1400	REV. A
		SCALE NONE	SHEET 2 OF 11

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DIAMETER "B" (INCHES)	PART NUMBER	LENGTH "XXX" (INCHES)
.0730	648.1418-425	.425
	648.1418-320	.320
.0810	648.1419-425	.425
	648.1419-320	.320
.0935	648.1420-425	.425
	648.1420-320	.320
.0995	648.1421-425	.425
	648.1421-320	.320



ORIGINAL DATE (MO-DA-YR) 07-27-10		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300			
DRAWN BY N.CAP	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO 04-20-16 CONTRACT No.					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 648.1400	REV. A
SCALE NONE		SHEET 3 OF 11			

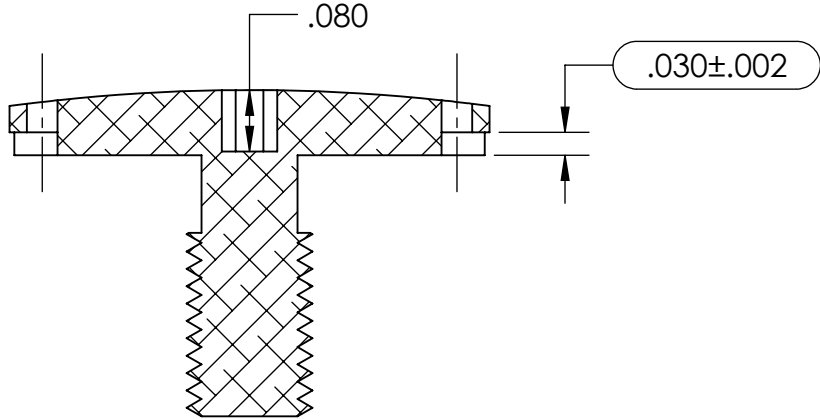
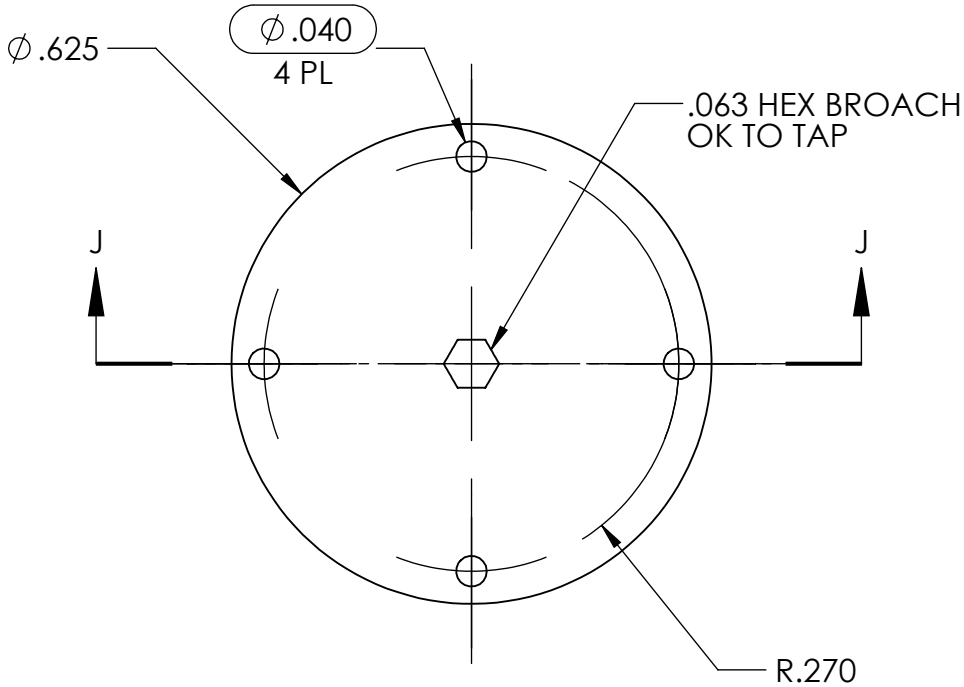
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES DBA DART AEROSPACE. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES DBA DART AEROSPACE IS PROHIBITED.

A

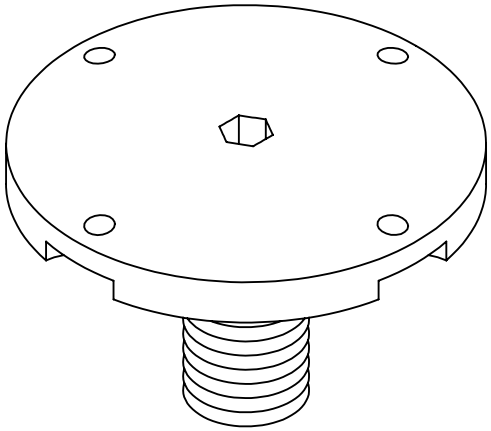
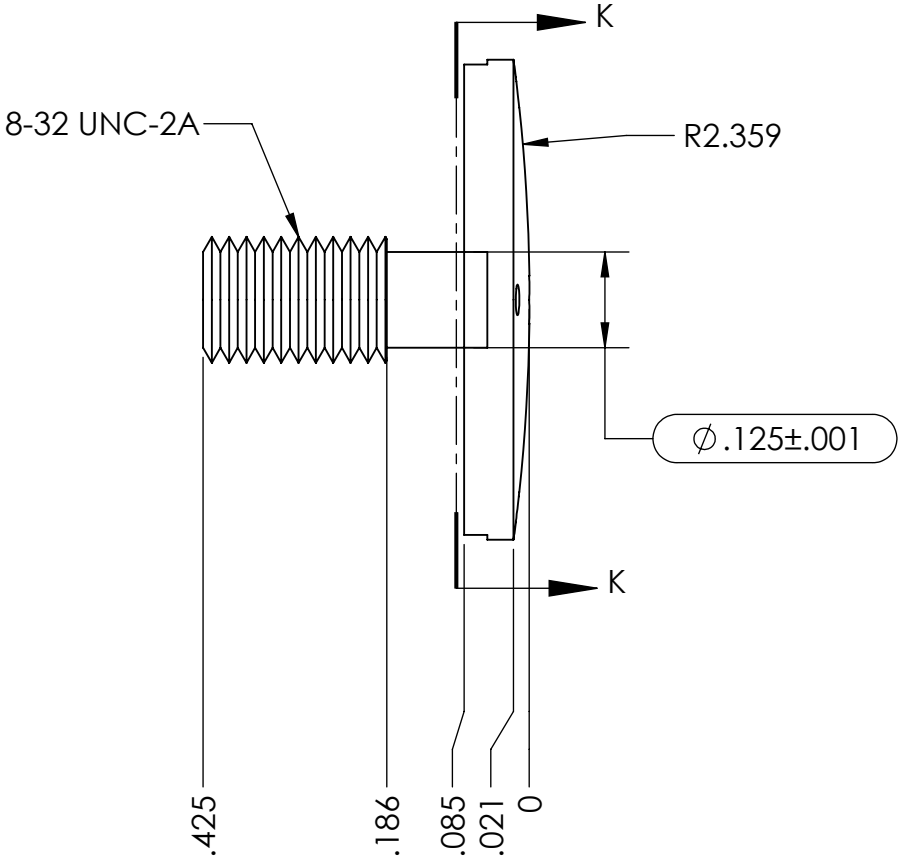
B

C

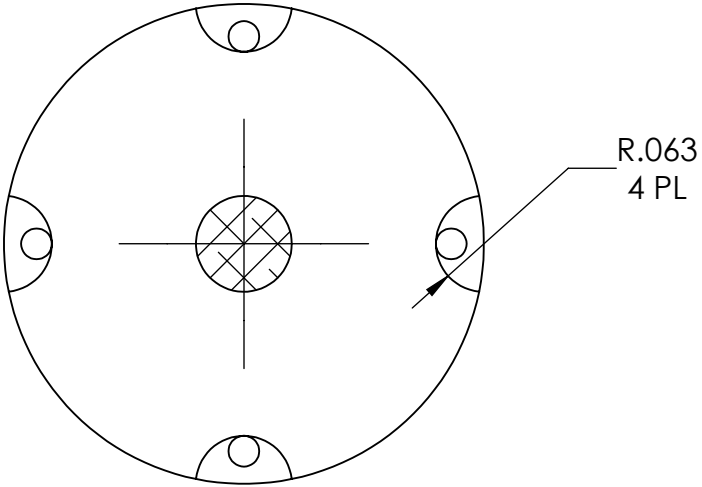
D



SECTION J-J



648.1422 $\triangle 8$



SECTION K-K

ORIGINAL DATE
(MO-DA-YR) 07-27-10
DRAWN BY N.CAP
CHECKER P. BRAVO
DRAWING APPROVAL
P. BRAVO
04-20-16
CONTRACT No.

DART
AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE
3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

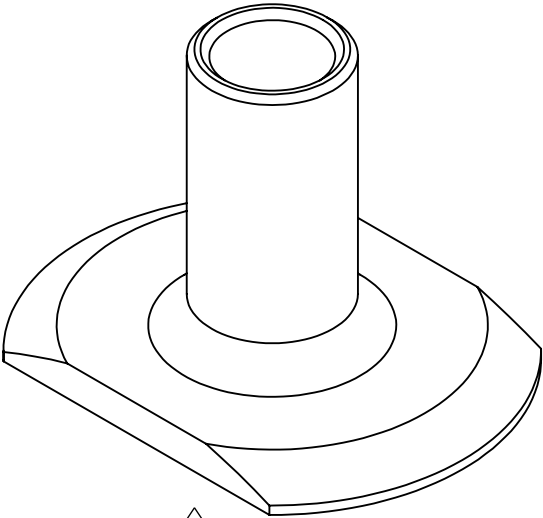
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS $\pm .01$
3 PLACE DECIMALS $\pm .005$
ANGLES $\pm .5^\circ$

FRANGIBLE SCREW			
SIZE B	CAGE CODE 07MZ6	DWG. NO. 648.1400	REV. A
SCALE NONE		SHEET 4 OF 11	

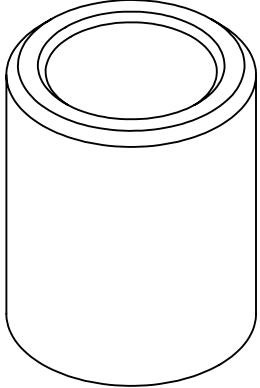
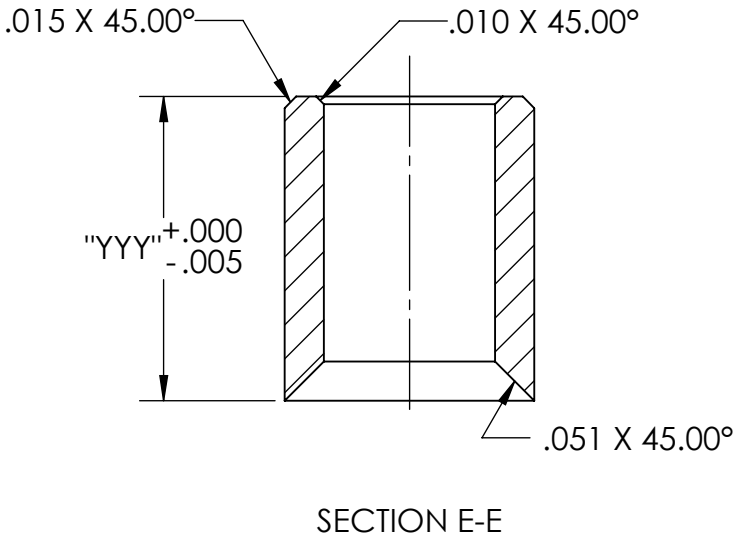
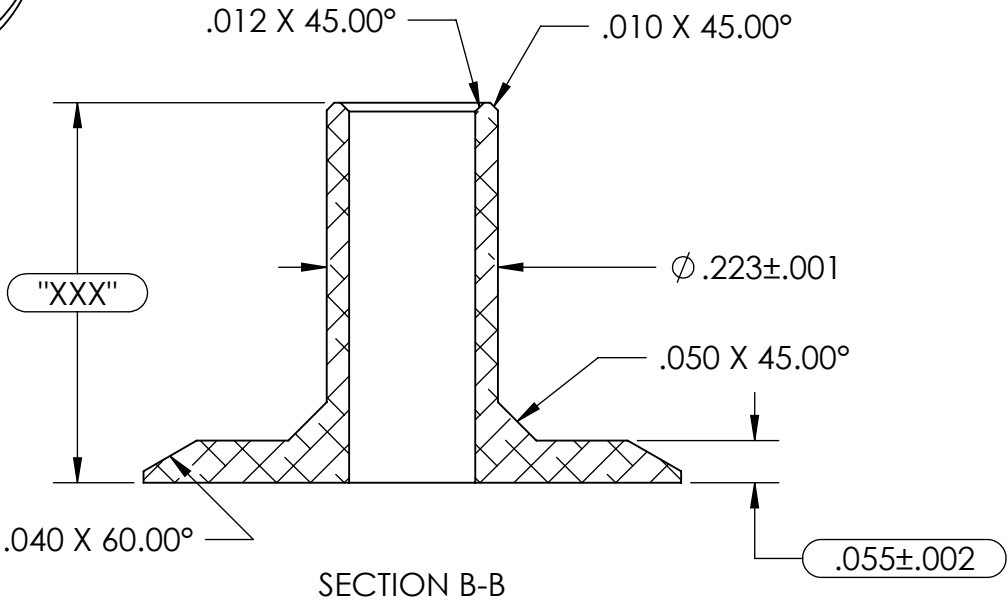
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648.1401 INSERT ASSY CONFIGURATION

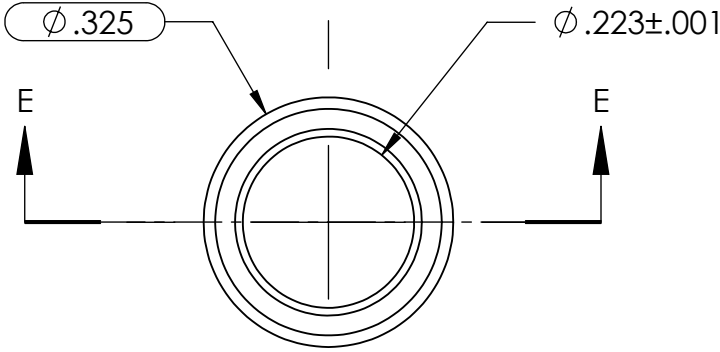
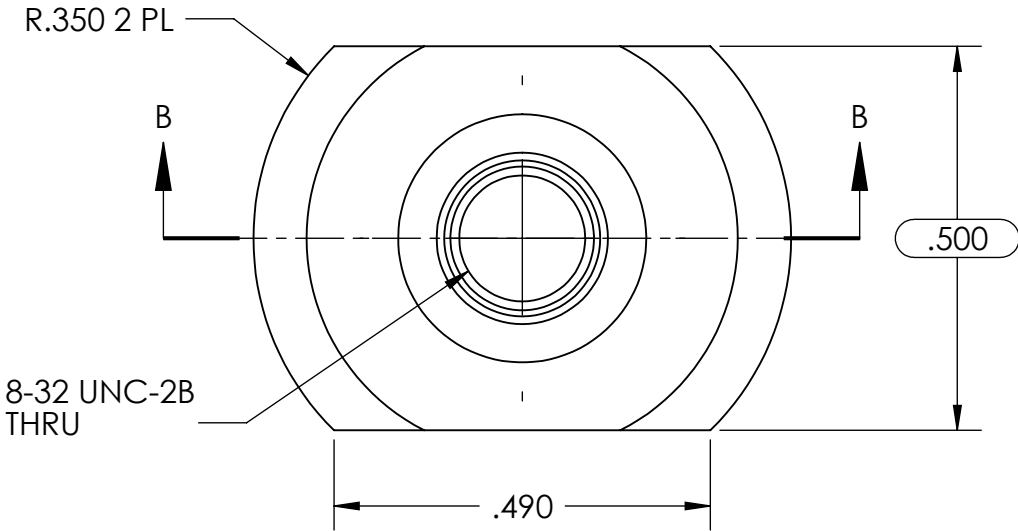
OVERALL HEIGHT OF 648.1414	648.1401 - [XXX] - YYY
OVERALL HEIGHT OF 648.1415	648.1401 - XXX - [YYY]



648.1414 8



648.1415



ORIGINAL DATE (MO-DA-YR) 07-27-10
DRAWN BY N.CAP CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 04-20-16
CONTRACT No.

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TOLERANCES ARE:
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3 PLACE DECIMALS ±.005
ANGLES ± .5°

DART AEROSPACE
APICAL INDUSTRIES, INC.
dba DART AEROSPACE
3030 ENTERPRISE CT., SUITE A
VISTA, CA. 92081
(760)-724-5300

FRANGIBLE SCREW

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	648.1400	A
SCALE NONE		SHEET 5 OF 11	

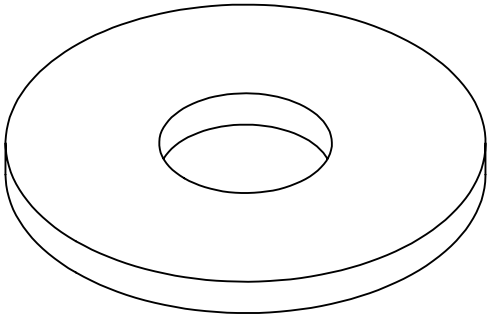
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A

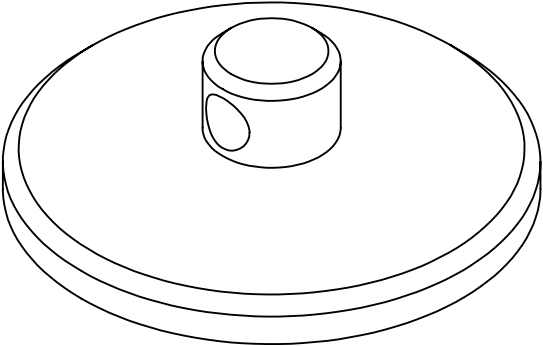
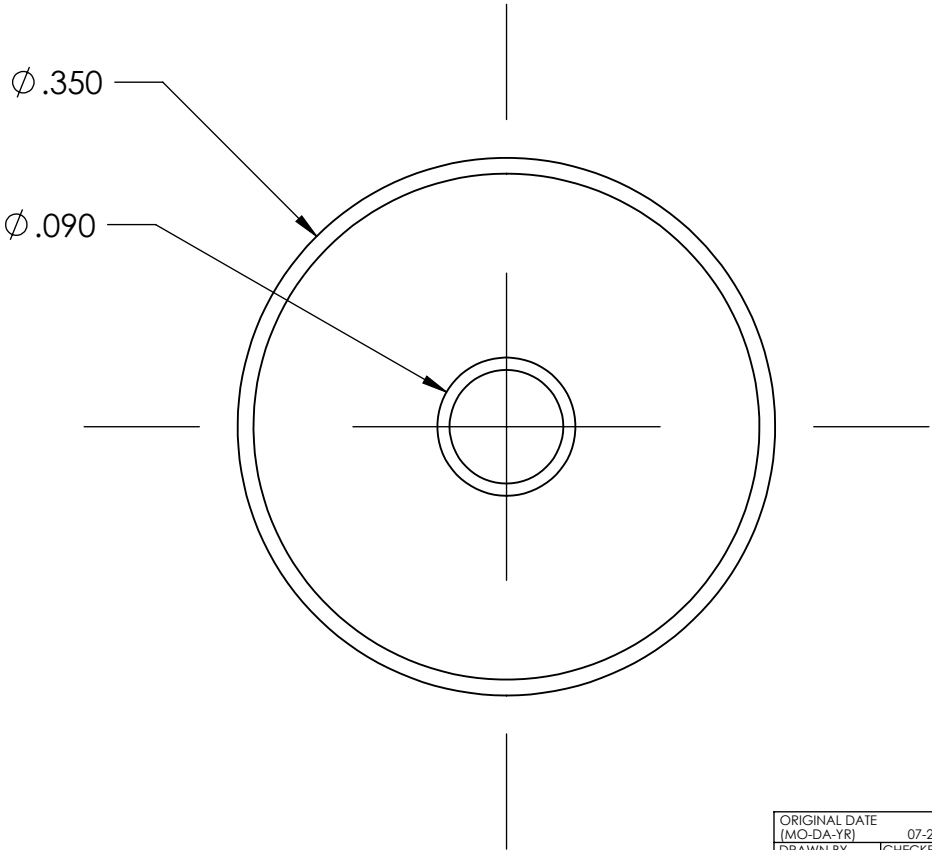
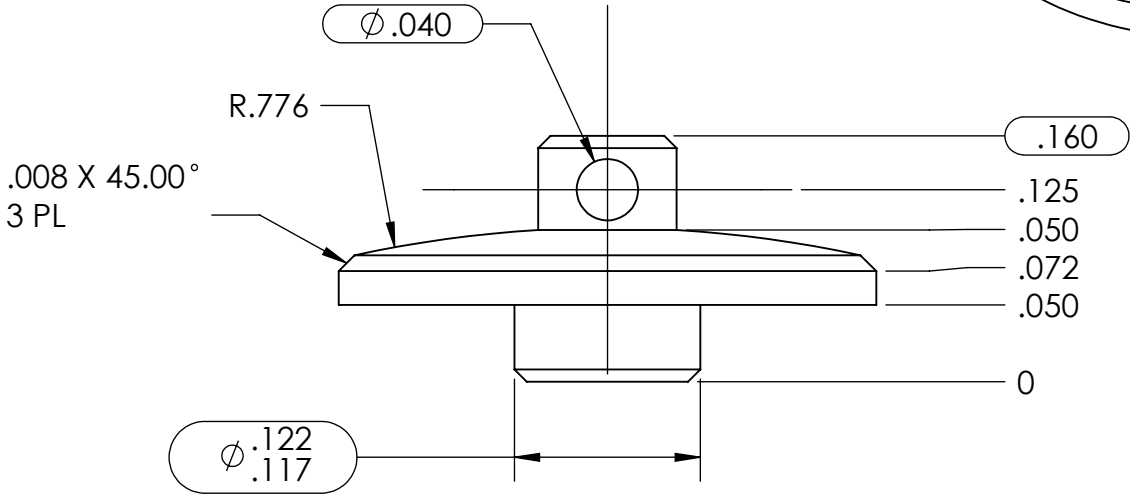
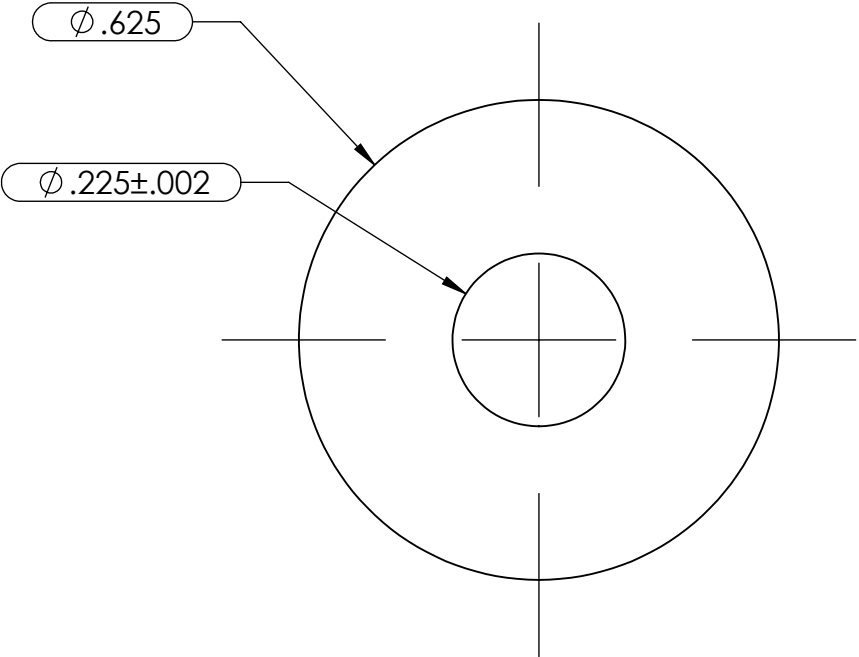
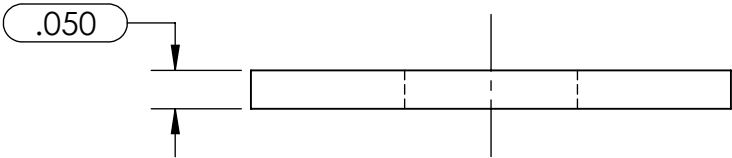
B

C

D



648.1416



648.1417



ORIGINAL DATE (MO-DA-YR) 07-27-10	
DRAWN BY N.CAP	CHECKER P. BRAVO
DRAWING APPROVAL P. BRAVO 04-20-16	
CONTRACT No.	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ± .5°

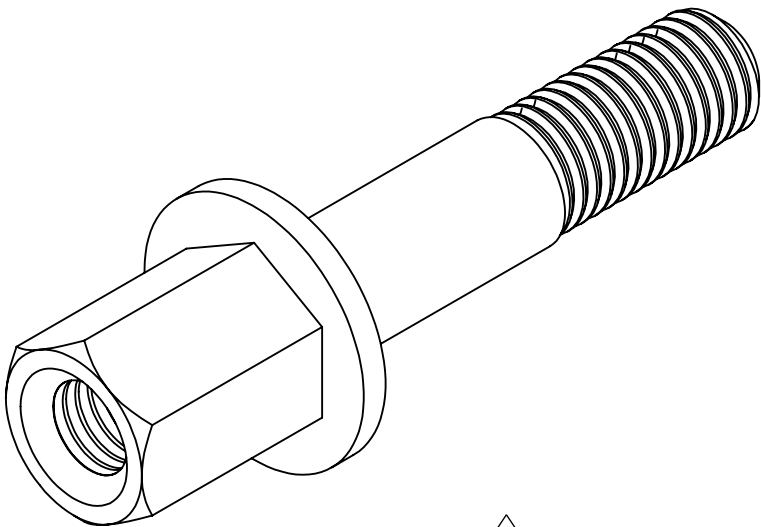


3030 ENTERPRISE CT.,
SUITE A
VISTA, CA. 92081
(760)-724-5300

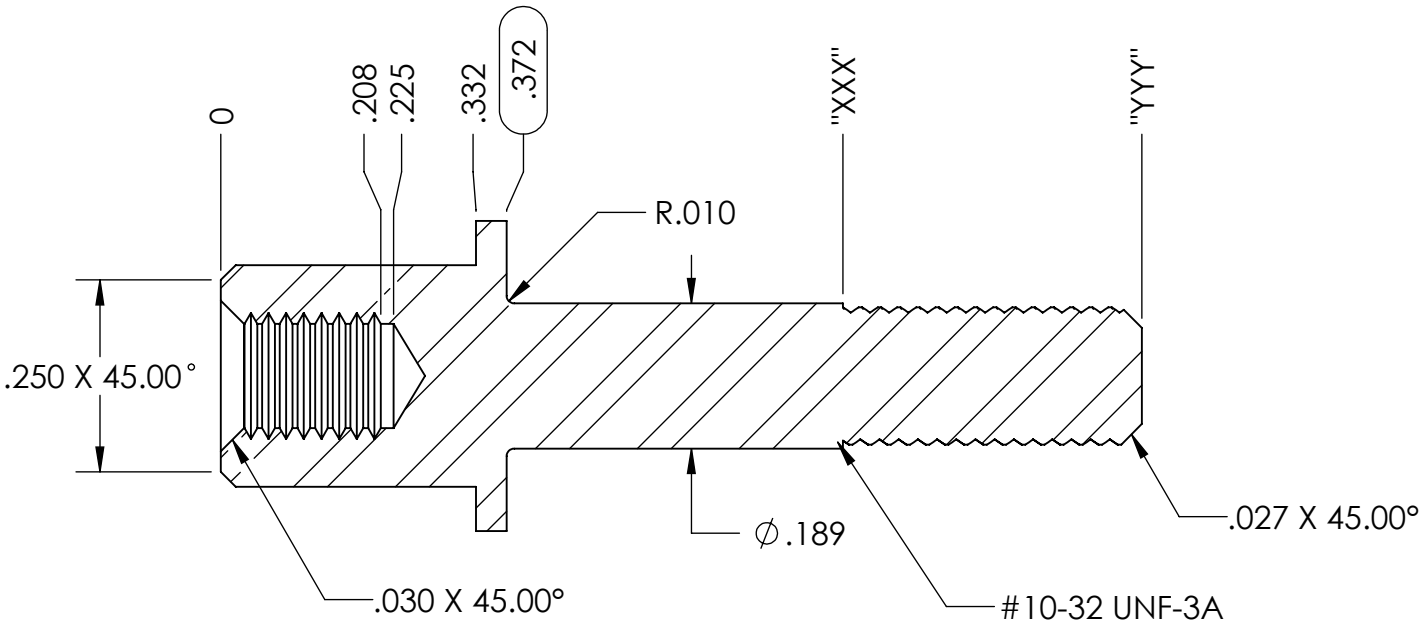
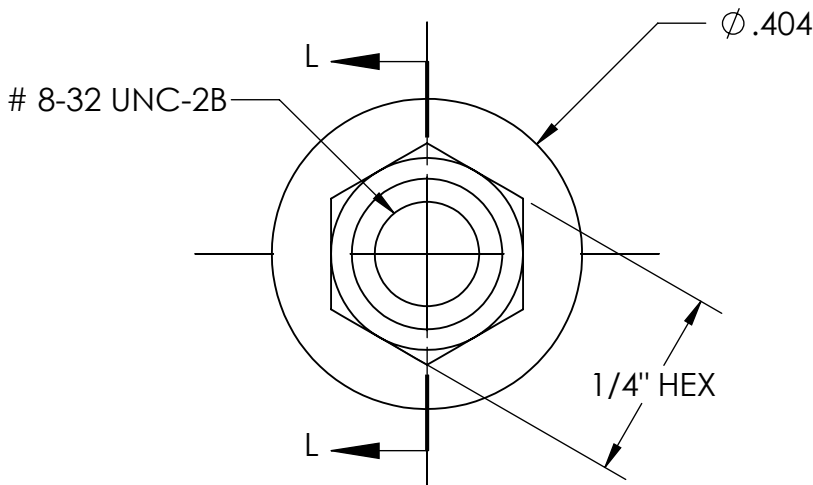
APICAL INDUSTRIES, INC.
dba DART AEROSPACE

FRANGIBLE SCREW			
SIZE B	CAGE CODE 07MZ6	DWG. NO. 648.1400	REV. A
SCALE NONE		SHEET 6 OF 11	


PART NUMBER	LENGTH 1 "XXX"	LENGTH 2 "YYY"
648.1423-748	.748	1.137
648.1423-810	.810	1.199
648.1423-500	.500	1.137



648.1423 



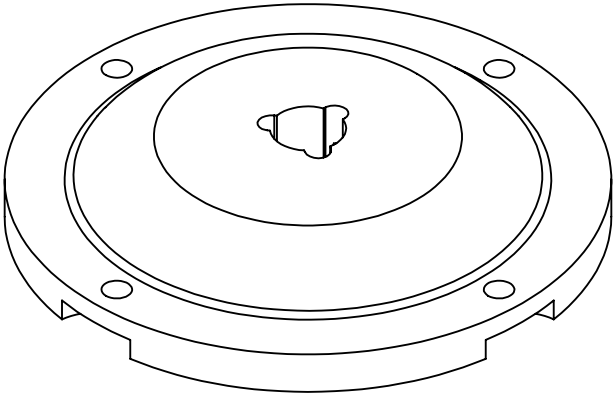
SECTION L-L

ORIGINAL DATE (MO-DA-YR) 07-27-10		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300			
DRAWN BY N.CAP	CHECKER P. BRAVO				
DRAWING APPROVAL P. BRAVO 04-20-16					
CONTRACT No.		FRANGIBLE SCREW			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ± .5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 648.1400	REV. A
SCALE NONE		SHEET 7 OF 11			

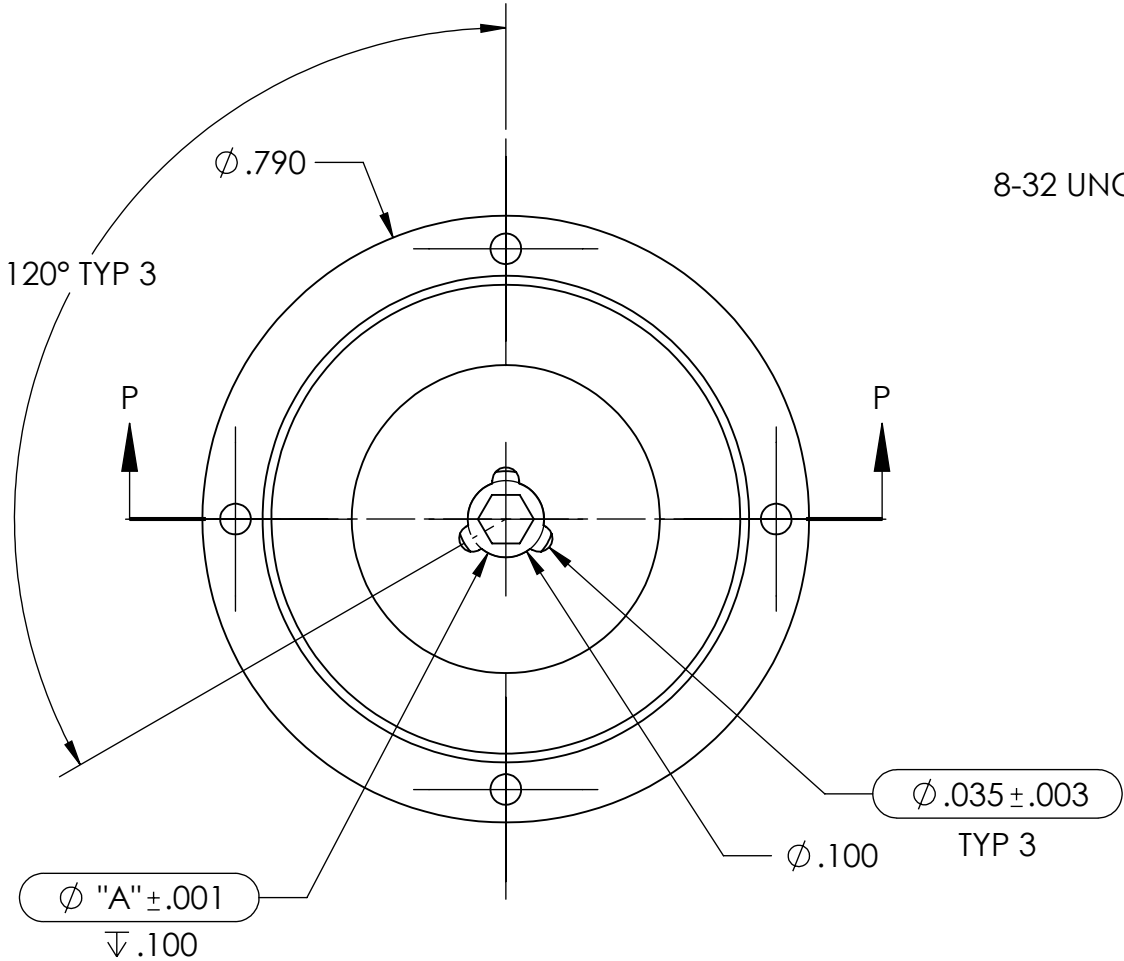
SIZE B	CAGE CODE 07MZ6	DWG. NO. 648.1400	REV. A
SCALE NONE		SHEET 8 OF 11	

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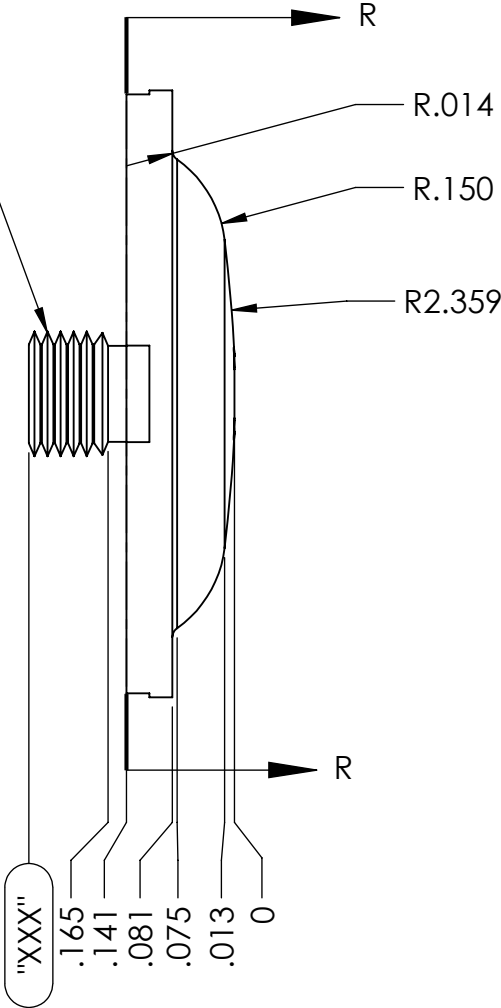
DIAMETER "A" (INCHES)	PART NUMBER	LENGTH "XXX" (INCHES)
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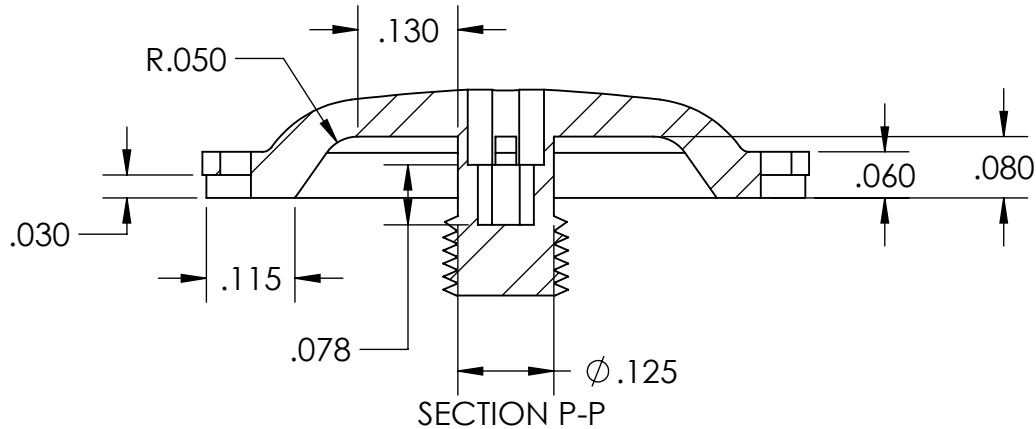
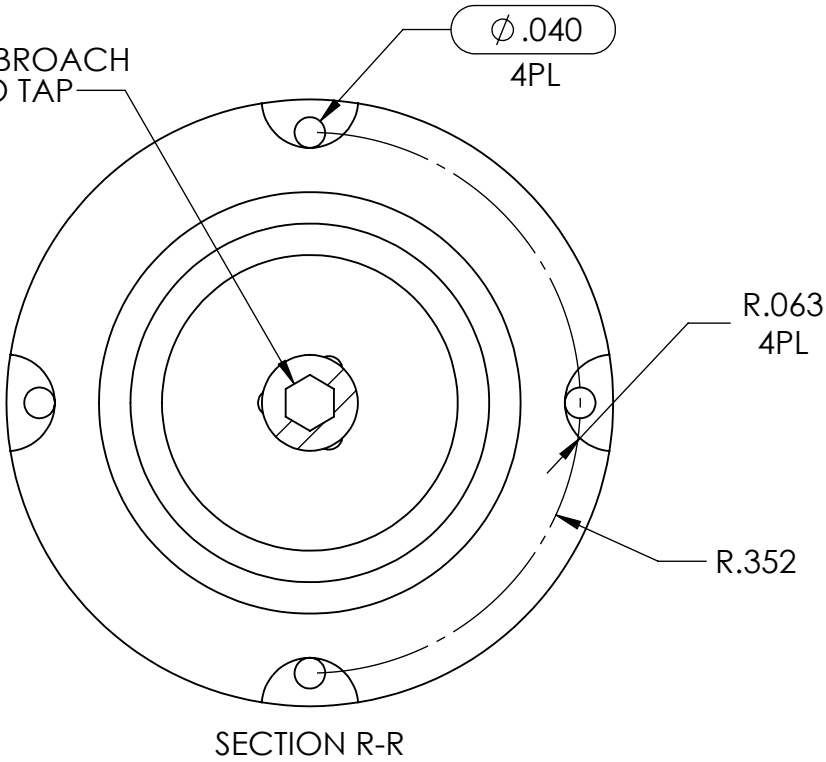
648.1425 




8-32 UNC-2A



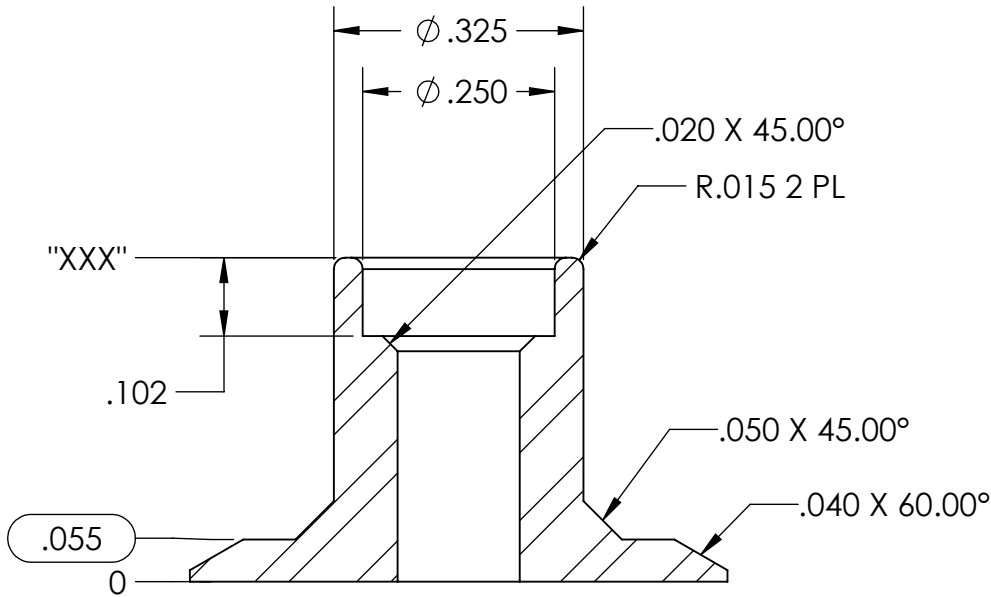
.063 HEX BROACH
OK TO TAP



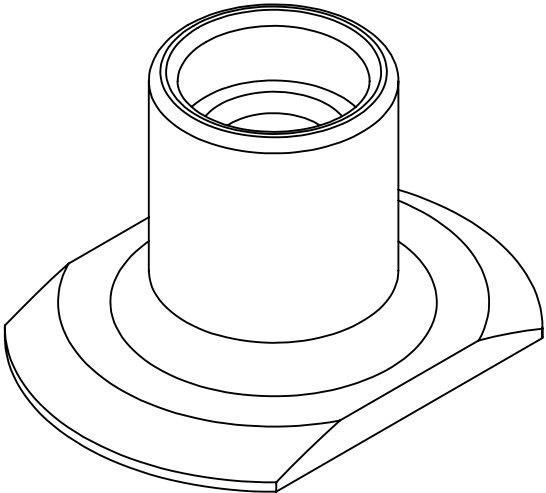
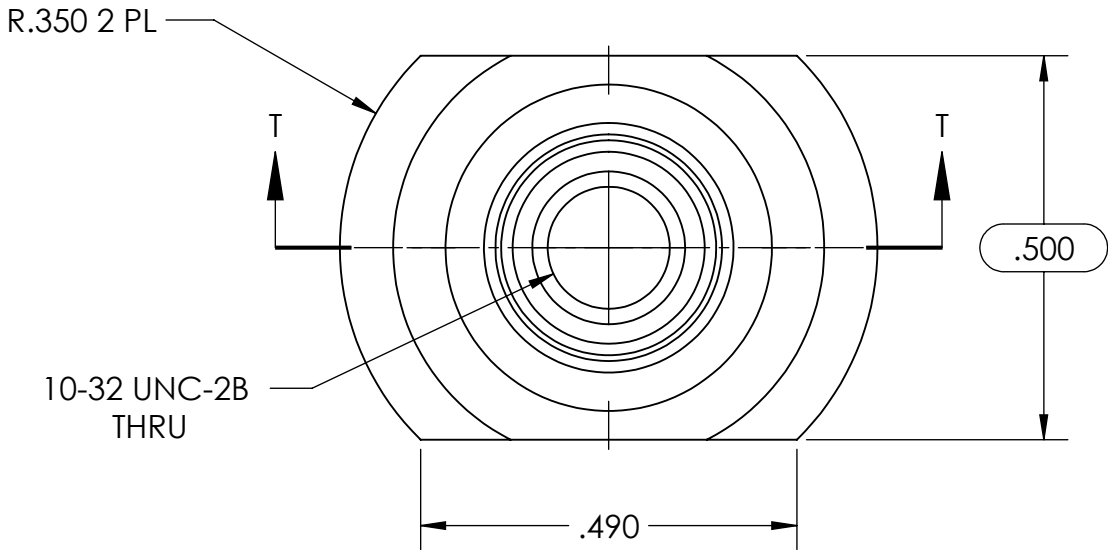
ORIGINAL DATE (MO-DA-YR) 07-27-10		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY N.CAP	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 04-20-16		FRANGIBLE SCREW	
CONTRACT No.		SIZE B	REV. A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		CAGE CODE 07MZ6	DWG. NO. 648.1400
		SCALE NONE	SHEET 9 OF 11

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PART NUMBER	LENGTH "XXX" (INCHES)
648.1426-422	.422
648.1426-360	.360



SECTION T-T

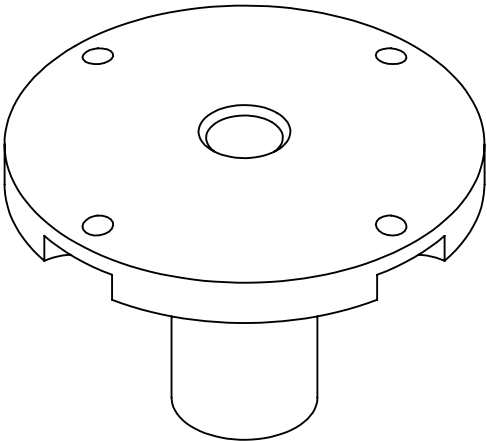


648.1426 8

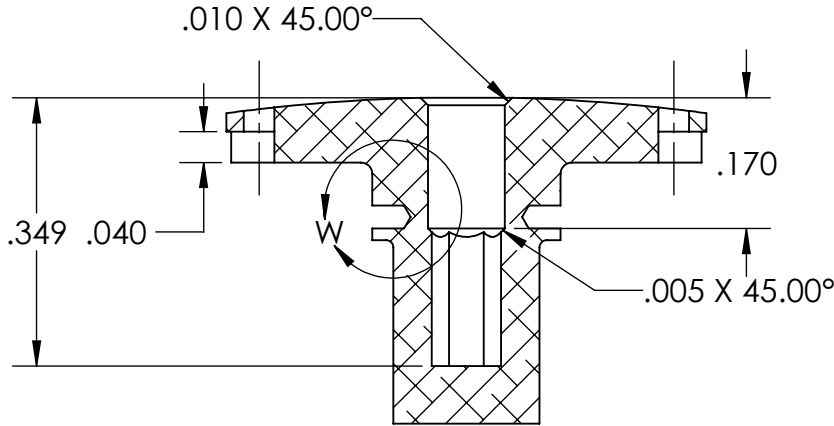
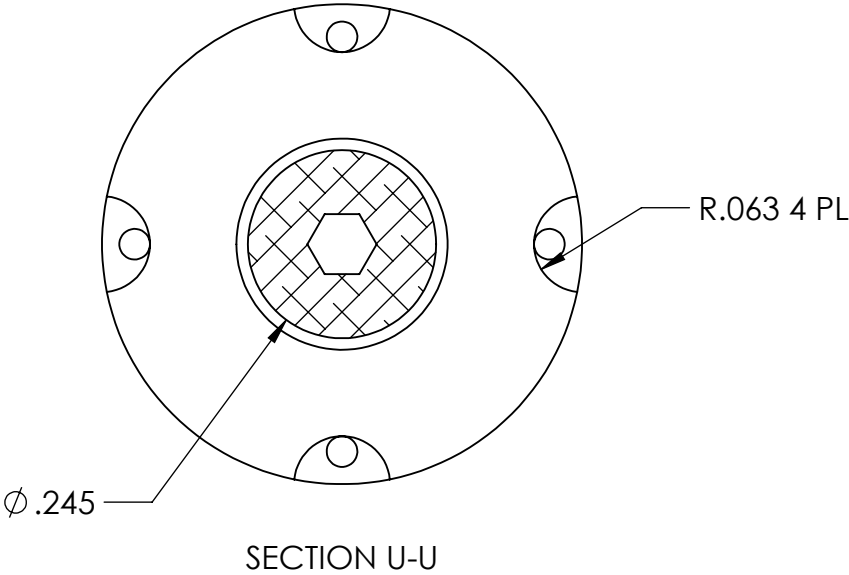
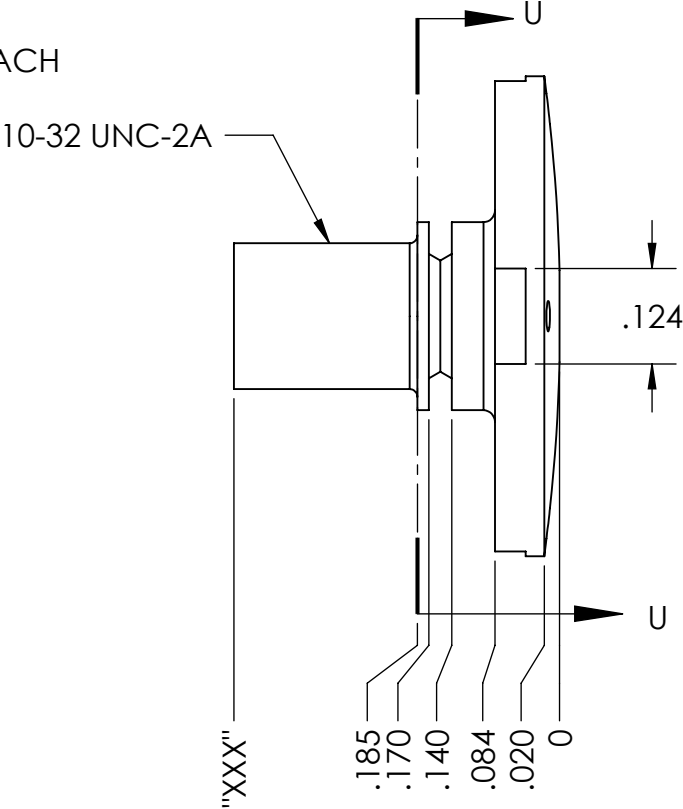
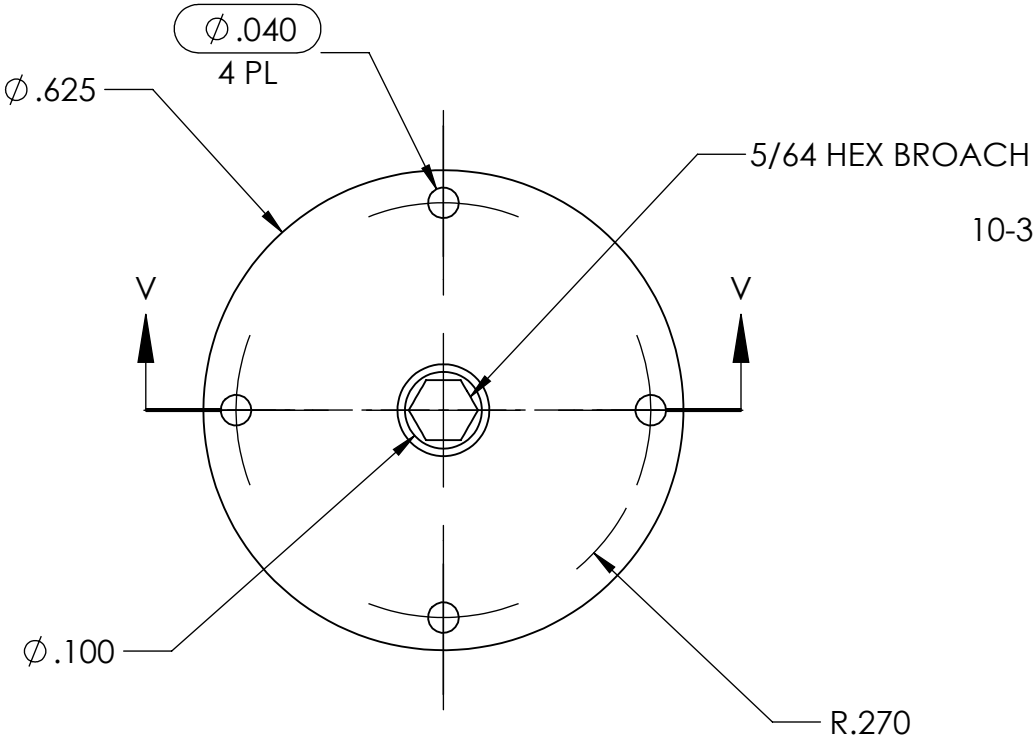
ORIGINAL DATE (MO-DA-YR) 07-27-10		DART 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY N.CAP	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 04-20-16		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT No.		FRANGIBLE SCREW	
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		CAGE CODE 07MZ6	DWG. NO. 648.1400
		SCALE NONE	SHEET 10 OF 11

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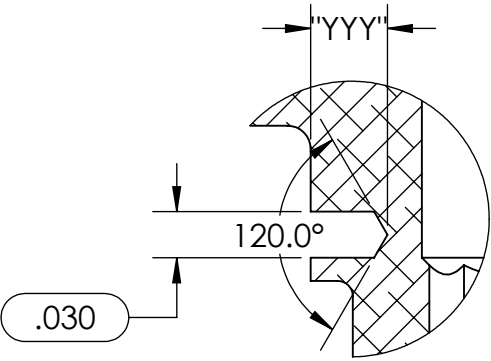
PART NUMBER	LENGTH "XXX" (INCHES)	SLOT DEPTH "YYY" (INCHES)
648.1427-XXX-YYY	.XXX	.YYY




648.1427 



SECTION V-V



DETAIL W
SCALE 8 : 1

ORIGINAL DATE (MO-DA-YR) 07-27-10		 3030 ENTERPRISE CT., SUITE A VISTA, CA. 92081 (760)-724-5300	
DRAWN BY N.CAP	CHECKER P. BRAVO		
DRAWING APPROVAL P. BRAVO 04-20-16		FRANGIBLE SCREW	
CONTRACT No.		SIZE B	REV. A
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		CAGE CODE 07MZ6	DWG. NO. 648.1400
		SCALE NONE	SHEET 11 OF 11